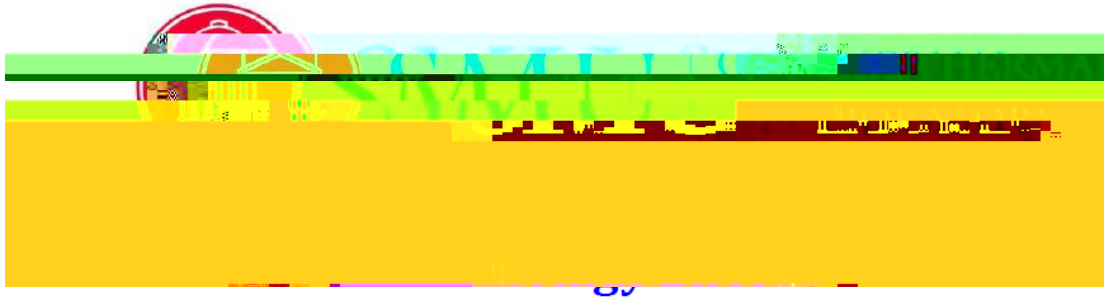
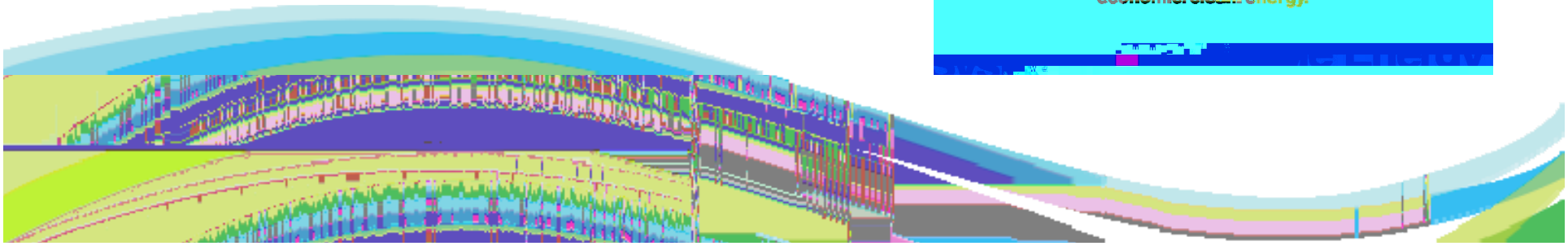


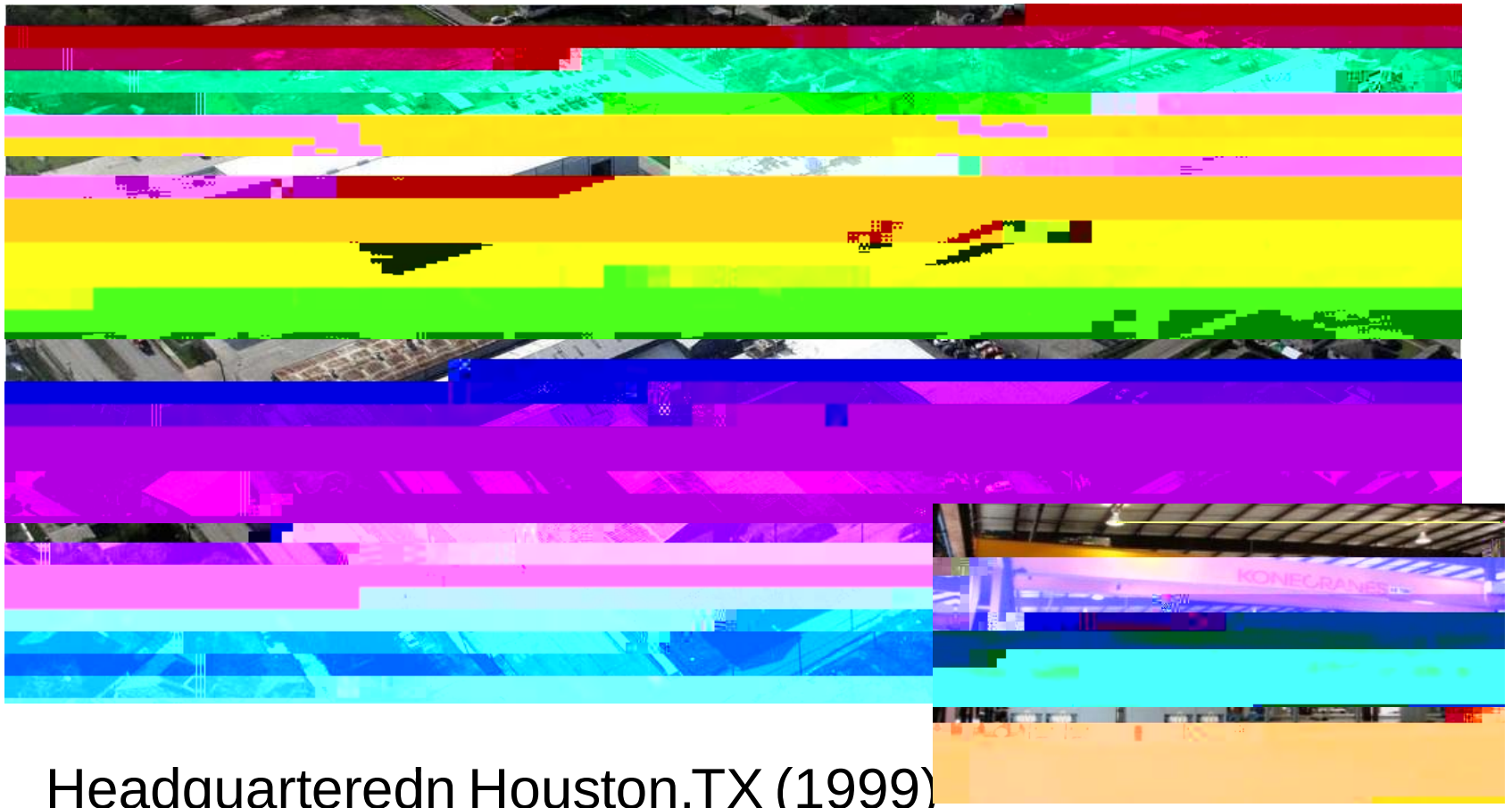
Associated with Oil & Gas Development

June 14 - 15, 2011 Dallas, Texas



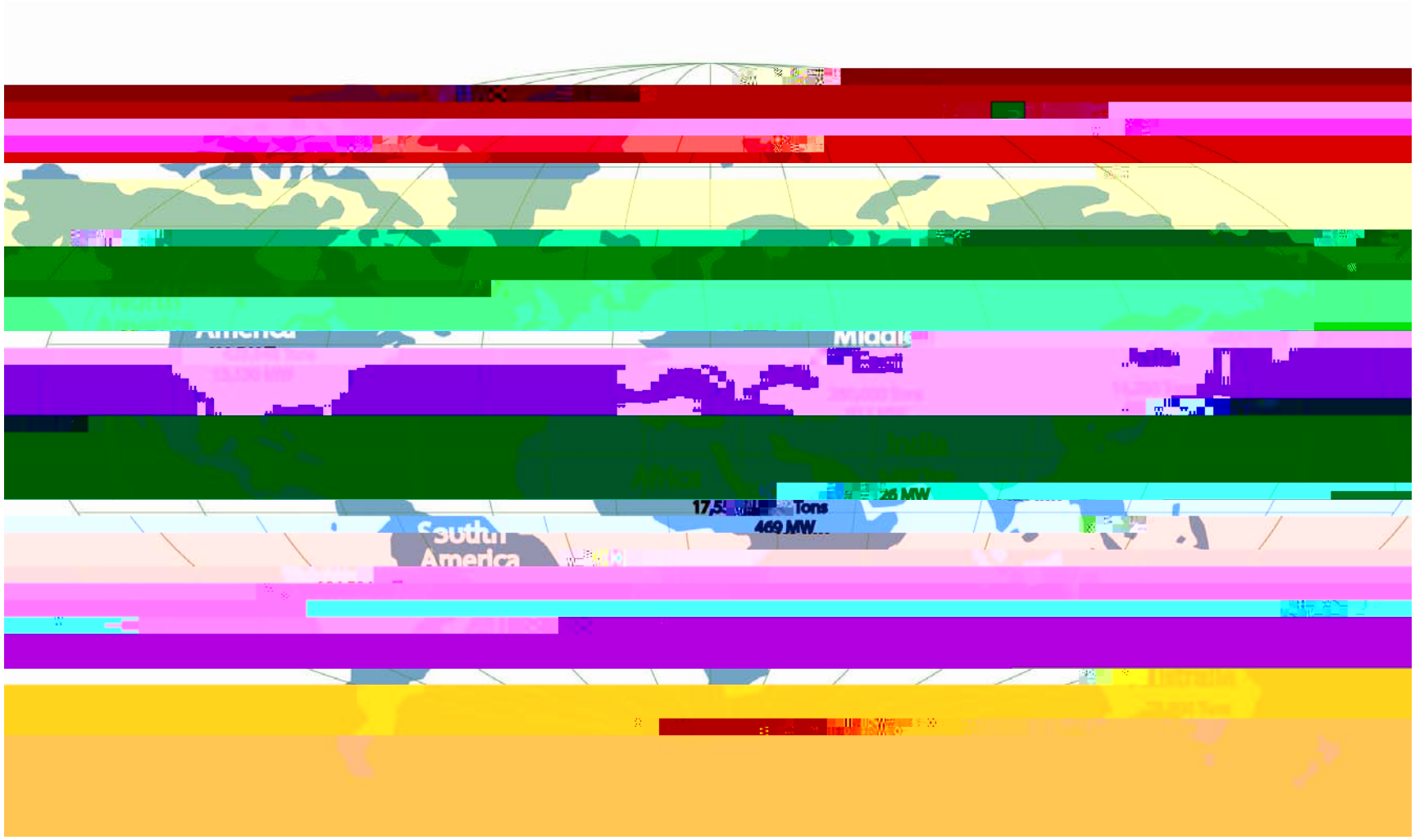
www.tas.com

TASGlobalOperations



Headquarteredn Houston,TX (1999)
Officesin Dubai,Doha,Qatar,SEAsiaand Turkey
~300,000sqft. of manufacturingspace
Capabilityfor 100+LargeModular Systemsper Year

TAS Global Presence



Relevant ORC Experience

TAS Innovation	Developer	Plant	Nameplate Size Qty	Delivery	Public – Private Partnership


GEOTHERMAL
WASTE ENERGY
SOLAR THERMAL
BIOMASS

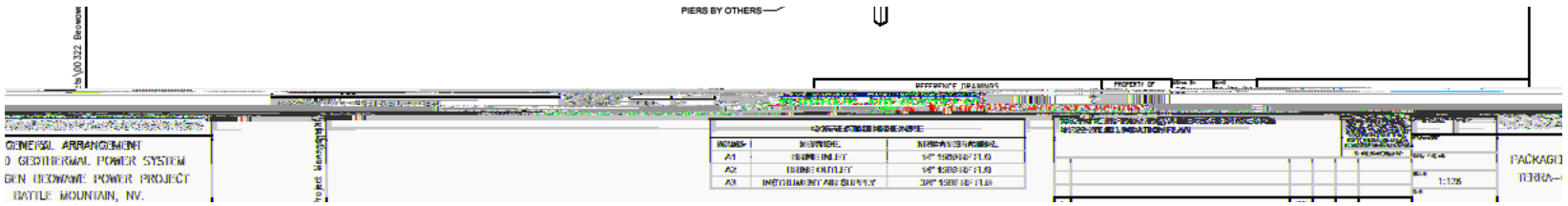
TASORC Capacity Map

TAS Turbo Expander Development

Single or Two-Stage
Turbine Rotor

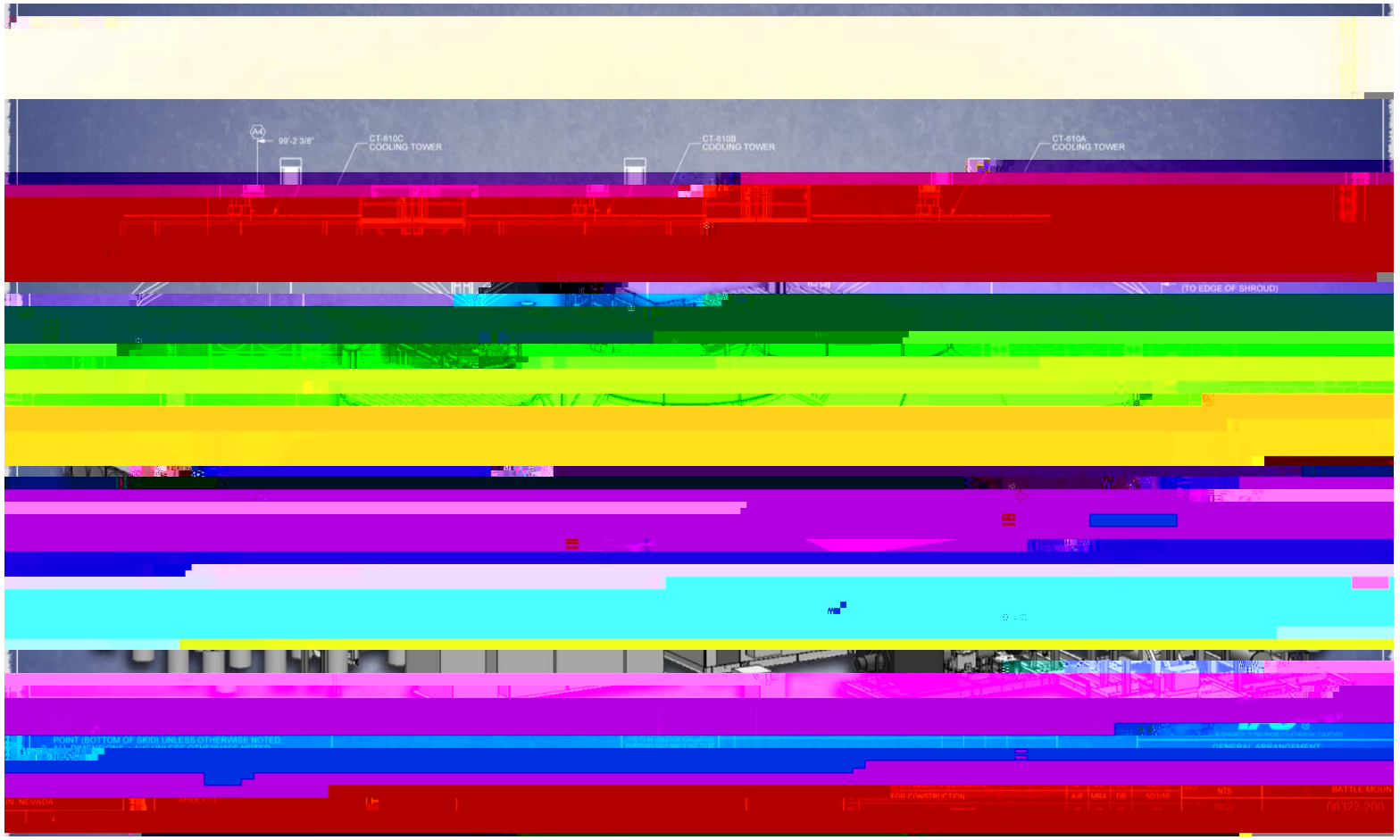
Shaft/Bearing/Seal
Subassembly

TerraGen – Beowawe Bottom Cycle



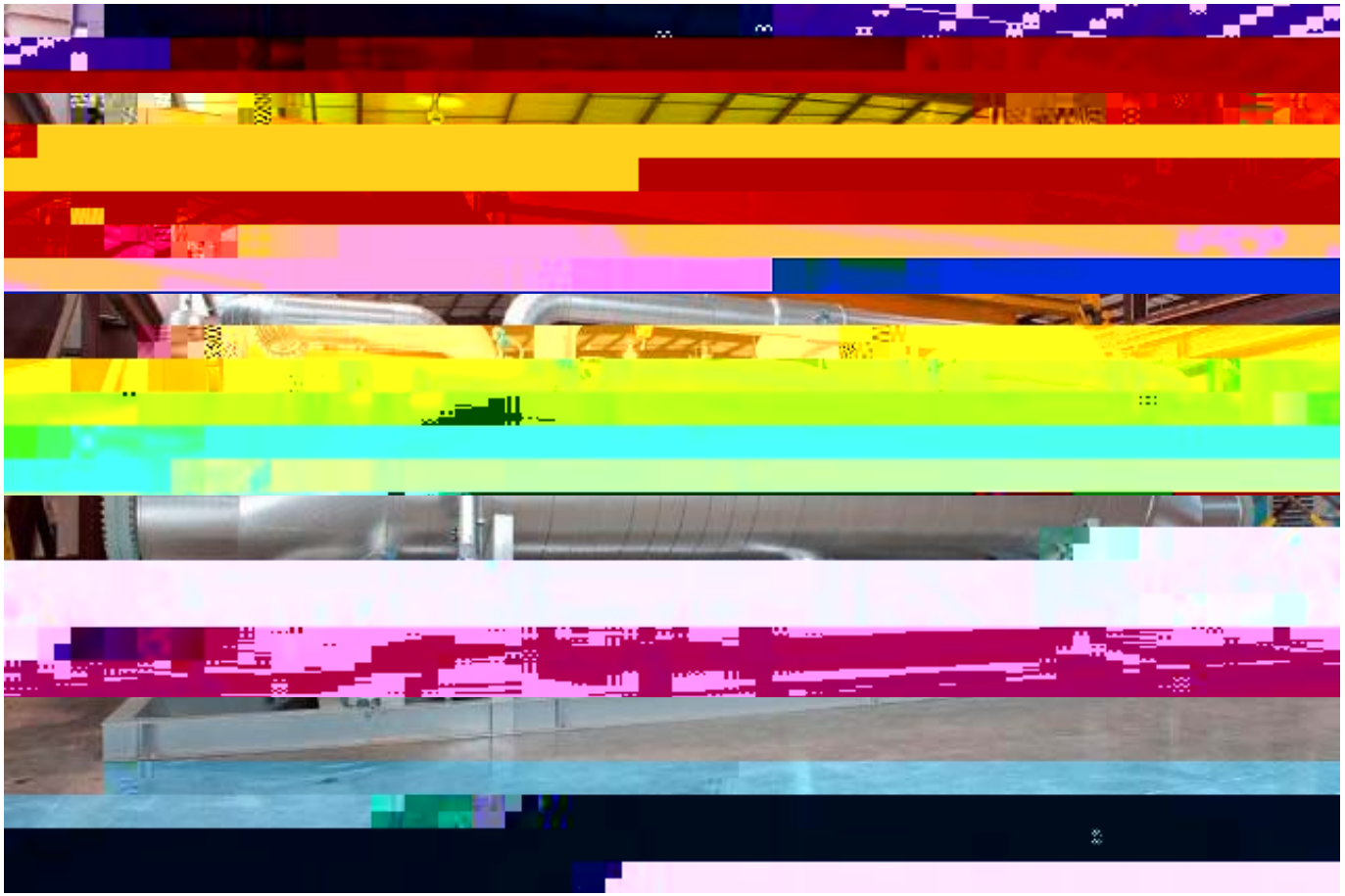
205°F – Subcritical Cycle – Nominal 2.5 MW's

TerraGen – Beowawe Bottom Cycle



205°F – Subcritical Cycle – Nominal 2.5 MW's

TerraGen – Beowawe Bottom Cycle



205°F – Subcritical Cycle – Nominal 2.5 MW's

TerraGen – Beowawe Bottom Cycle

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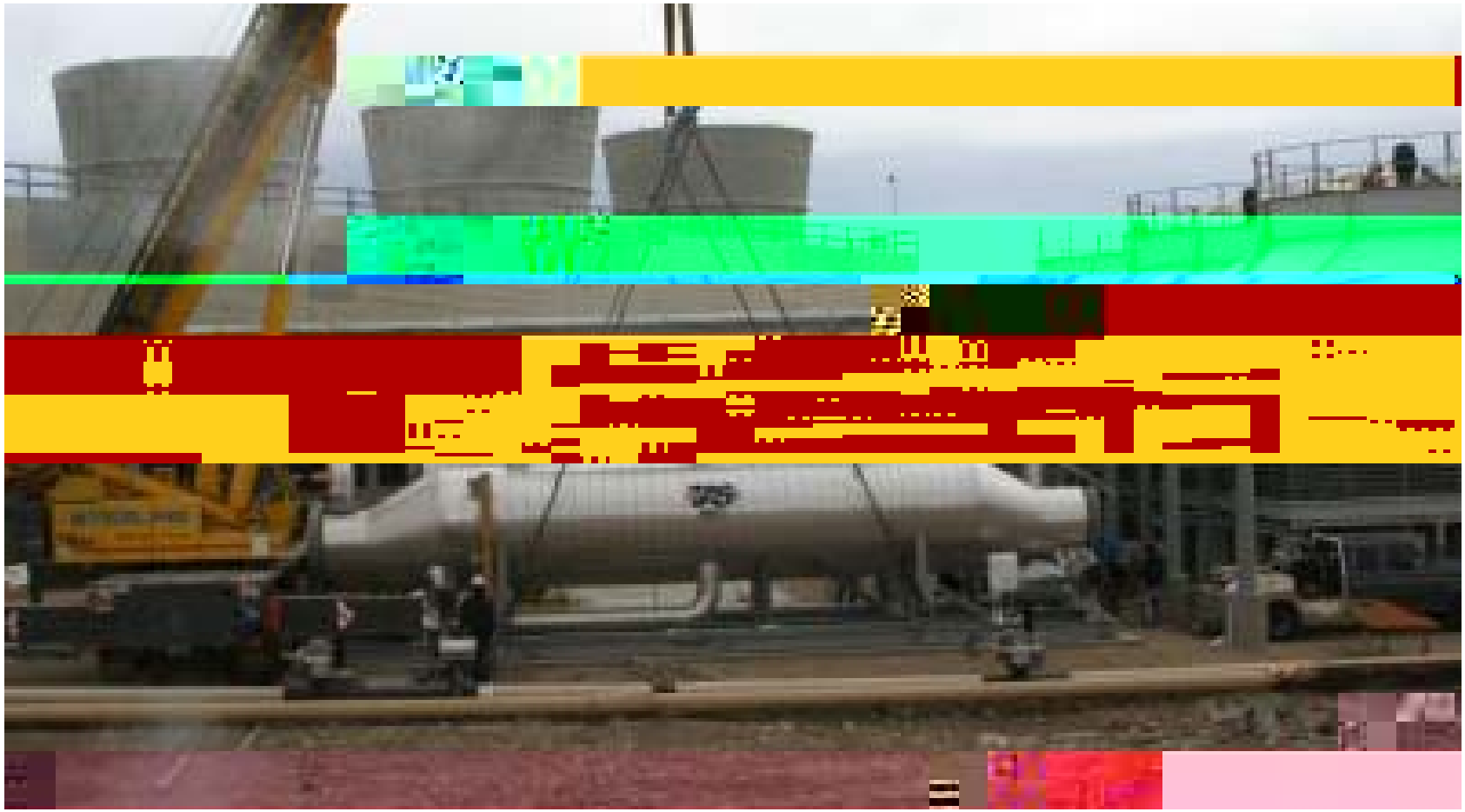
TerraGen – Beowawe Bottom Cycle

TerraGen – Beowawe Bottom Cycle



205°F – Subcritical Cycle – Nominal 2.5 MW's

TerraGen – Dixie Valley Bottom Cycle

225°F – Subcritical Cycle – Nominal 6.2 MW's – EPC

[redacted]

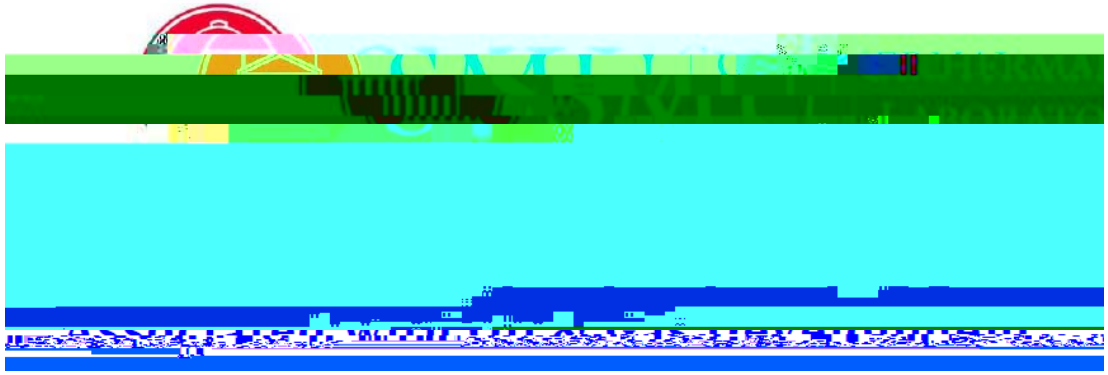
[redacted]

Key Drivers – Any Development

- **Normally quantified in NPV, IRR, ROI...**
- **Does the application make sense...**
  1. Well's – land position – control…
  2. Resource – temp, flow, quality, validation…
  3. Ambient conditions…temperatures…
  4. Water – make up water?…or Air Cooled…
  5. Off take: PPA – site set off rate…
  6. Costs and financial feasibility?????????
  7. Where does the $$ come from???????

SimpleOutput

Description	Unit	1 Well	3 Wells	4 Wells	5 Wells	6 Wells	
Heat Source Flow Rate	**l/s**	**80**	**213**	**320**	**400**	**480**	
Heat Source Tin	C	120	120	120	120	120	



Thank You

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HDickey@TAS.com

economic. clean. energy.